



The FLOBLOCK Sensor is designed to detect movement of the gears inside the flowmeter section of our FLOBLOCK Injectors, for use in hazardous locations.

The FLOBLOCK Sensor uses hall-effect meter sensors and is pre-calibrated prior to despatch, at this point the K-Factor is determined and tested. This calibration factor (K-Factor) is used by customers equipment for conversion of pulses received to volume dispensed.

When sufficient volume of additive has moved through the FLOBLOCK, the controlling device then turns off the solenoid valve in order to stop flow.

(Note. It is the responsibility of the controlling device, Terminal Automation System (TAS), Preset, or PLC System to perform the algorithms that ratio the additive into the fuel stream properly. If the controlling system is not capable of this level of function, we can also supply complete injection panels that include micro-controllers giving complete injection control.



Mounting

- This equipment shall be fixed to the Floblock Injector Flowmeter Cap through the 4-off M4 clearance holes.
- Ensure cable route is not impeded.

Electrical Connections

- Equipment is supplied with a flying lead, this shall be cut to length to suit installation.
- Minimum bend radius of the cable is 10 x cable diameter, approximately 60mm.
- Wire colour Codes:
 - Red: Supply Voltage 3.8 to 30VDC
 - White: Channel 1 Signal output, Sinking to 0V
 - Orange: Channel 2 Signal output, Sinking to 0V (FUH-PD-1902 only)
 - Black: 0VDC

Marking

Model Number:	FUH-PD-190x	T Ambient:	-20 to 50°C
Year of Manufacture:	20xx	ATEX Certificate	Baseefa19ATEX0072X
		IECEX Certificate	IECEX BAS 19.0057X
Voltage (Supply):	3.8 to 30VDC	Method of Protection:	II 2 G Ex db IIC T6 Gb

Materials	
Enclosure Housing	Aluminium Alloy to EN AW-6082-T6
Cable Gland	Nickel Plated Brass
Top Plug	Stainless Steel
Cable (Single Channel)	2 x 22/0.132mm Plain Copper Conductors with PVC Insulation
Flotech PERFORMANCE SYSTEMS	ADDITIVE SOLUTIONS
	5.2mm Nominal Diameter

Flotech Performance Systems Ltd
 G1 Glenmore Business Park,
 Chichester, West Sussex,
 UK, PO19 7BJ

e: sales@flotechps.com
t: +44(0)1329 284145
w: www.flotechps.com